

FIG.1

S1

In wheel rim 1, determine RRO value $Wr1$ of RRO primary component, phase θ_{r1} of peak position thereof, unbalance level Wub of heavy point, phase θ_{ub} thereof and radial distance L of balance weight mounting position from axis center i of wheel rim and, in tire, determine weight Tt thereof and phase α_t of light point.



S2

Determine phase θ_c of correction unbalance Wc from the following formula (1):

$$\theta_c = \tan^{-1} \left[\frac{Wub \times \sin \theta_{ub} + \{(Wr1 \times Tt)/(2 \times L)\} \times \sin \theta_{r1}}{Wub \times \cos \theta_{ub} + \{(Wr1 \times Tt)/(2 \times L)\} \times \cos \theta_{r1}} \right] \dots (1)$$



S3

Assemble tire and wheel in state of aligning phase θ_c of correction unbalance Wc with phase α_t of light point of tire.

FIG.2

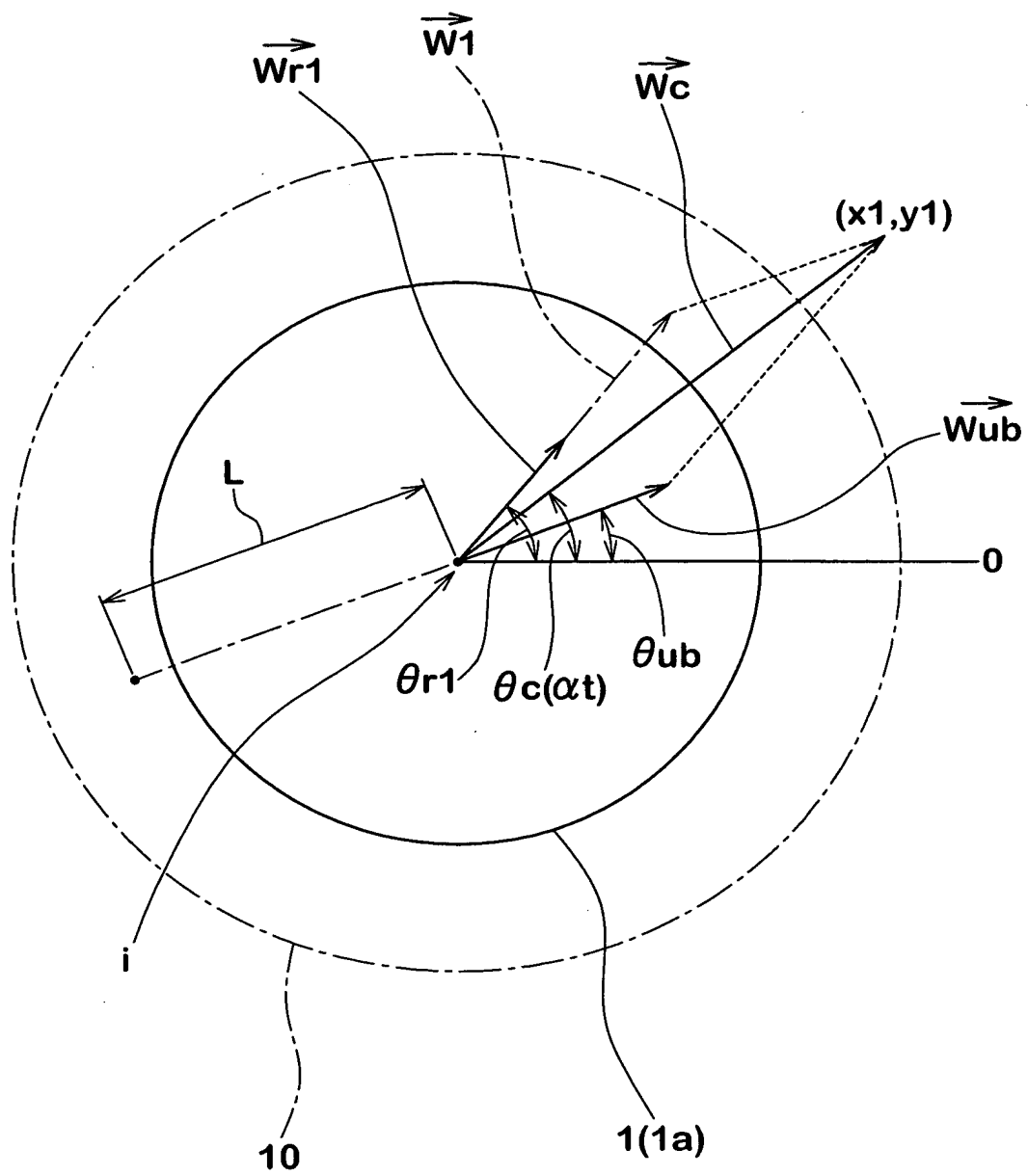


FIG.3

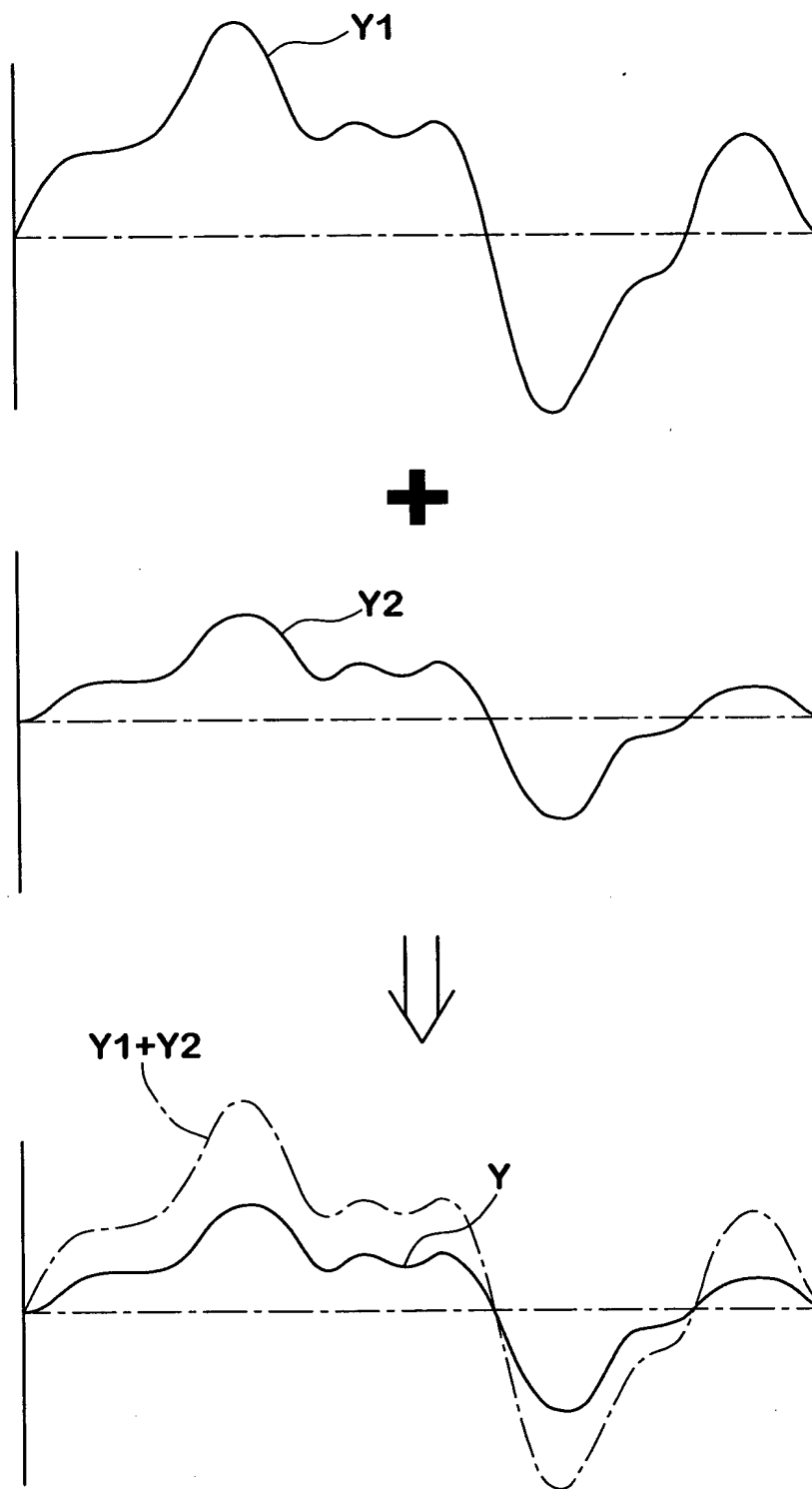


FIG.4

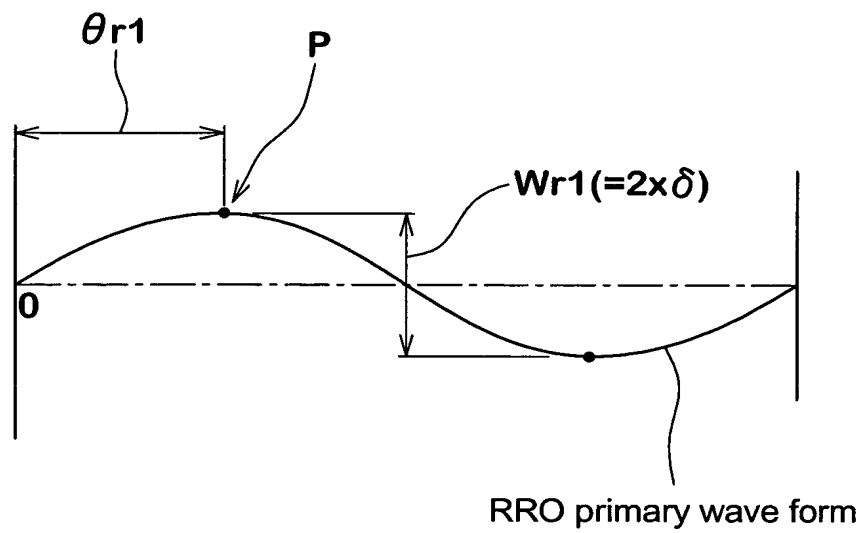


FIG.5(A)

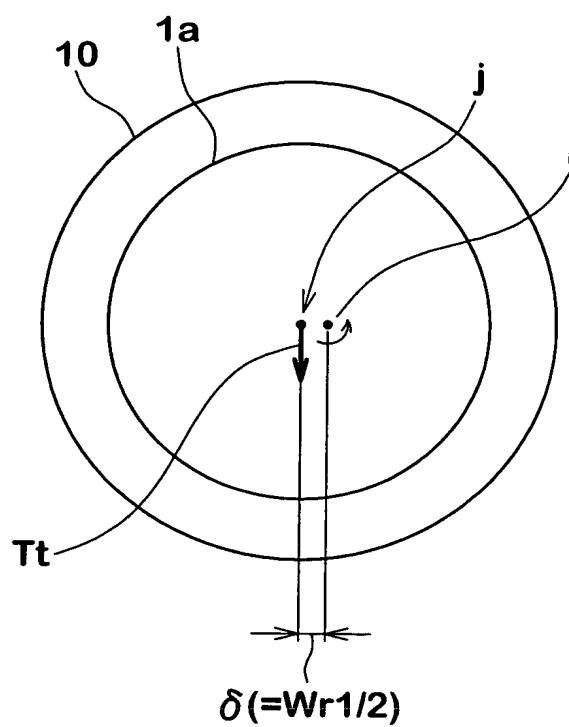


FIG.5(B)

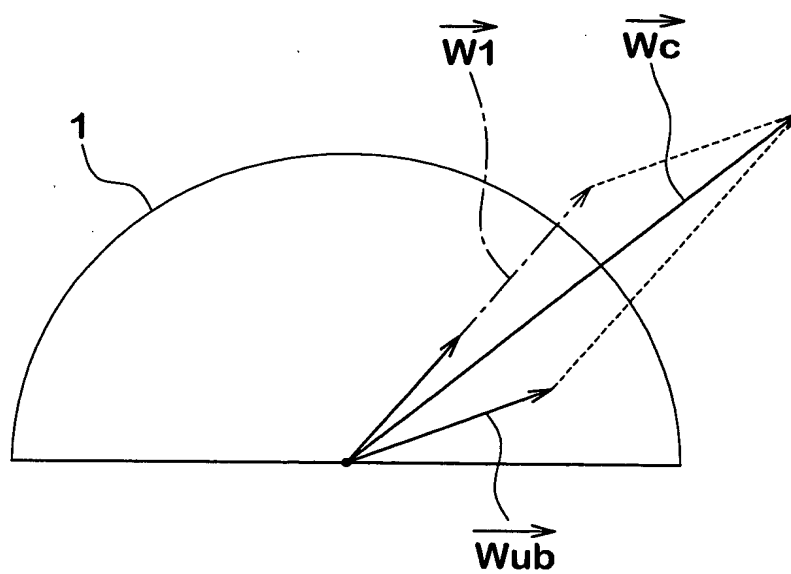


FIG.6(A)

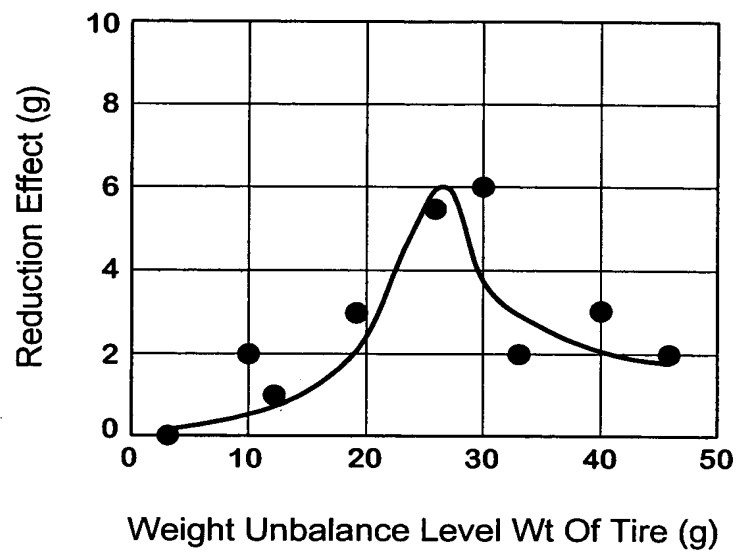


FIG.6(B)

